



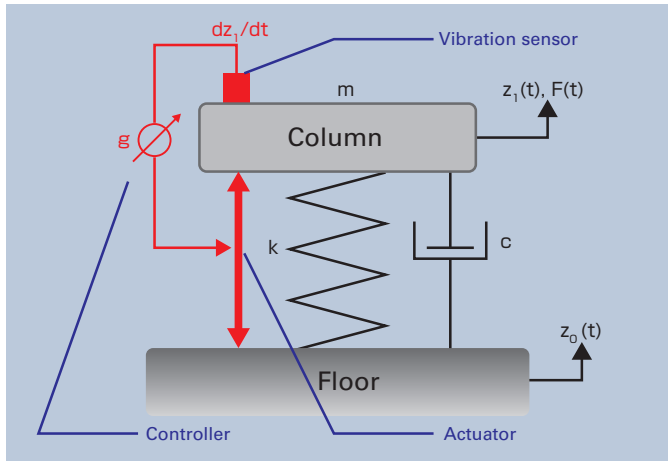
JEM-ACE200F

# EST-L6H-8623

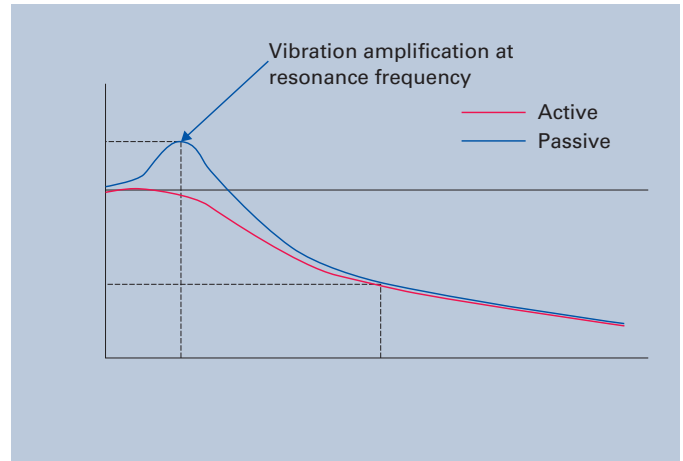
Active Vibration Isolation System for JEM-ACE200F

## ● Principle of active vibration isolation system

Vibration is detected by the sensor mounted on the instrument, triggering the actuator to output a force in the opposite direction to cancel the vibration. This enables to attenuate vibration amplification due to resonance, which is unavoidable with standard passive isolation systems.



Active Isolation System schematic



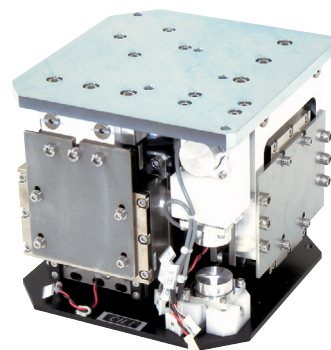
Vibration transmissibility  
Horizontal axis: Frequency Vertical axis: Amplitude

## ● Outline of system

EST-L6H-8623 active isolation system is composed with pneumatic mounts added with precision vibration sensors, linear type electromagnetic actuators and digital controller which actualize up to -30 dB suppression at frequency range of 1 to 20 Hz. The active system consists of feedback and feedforward control offering noise-free observation at the instrument's highest performance.

## ● Features

- 3 axis high precision vibration sensor
- 6 degree of freedom feedback control
- Feedforward control
- No need for operation by customer after installation completed



EST-L6H-8623 active mount



EST-L6H-8623 controller

\*This product is manufactured by KURASHIKI KAKO Co. Ltd.

# EST-L6H-8623

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## ● Specification

|                                                     |                                           |
|-----------------------------------------------------|-------------------------------------------|
| Maximum Payload<br>(With Instrument and Attachment) | 1,800 kg                                  |
| Required Primary Air Pressure                       | 0.5 MPa                                   |
| Passive Isolation                                   | Dome Gimbal Piston Type Hybrid Mount      |
| Active Isolation                                    | 6DOF Feedback + Floor Feedforward Control |
| Power Supply                                        | AC 85-260 V, 5 A (Max.)                   |

## ● Components

|                             |         |                                                                |
|-----------------------------|---------|----------------------------------------------------------------|
| Active Isolation Mounts     | 4 units | D245 mm × W200 mm × H180 mm (Floating)<br>Mass 25 kg per Mount |
| Controller and Power Supply | 1 set   | D220 mm × W180 mm × H162 mm Mass 3 kg                          |
| Power Cable                 | 1 set   | Length 2 m (125 V)                                             |
| Wiring and Tubing           | 1 set   | Included                                                       |

## ● Applicable Instrument

JEM-ACE200F

### Note

\*Execution of vibration measurement and judgment is necessary before installing this system.

\*Specifications and appearance are subject to change without notice.

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